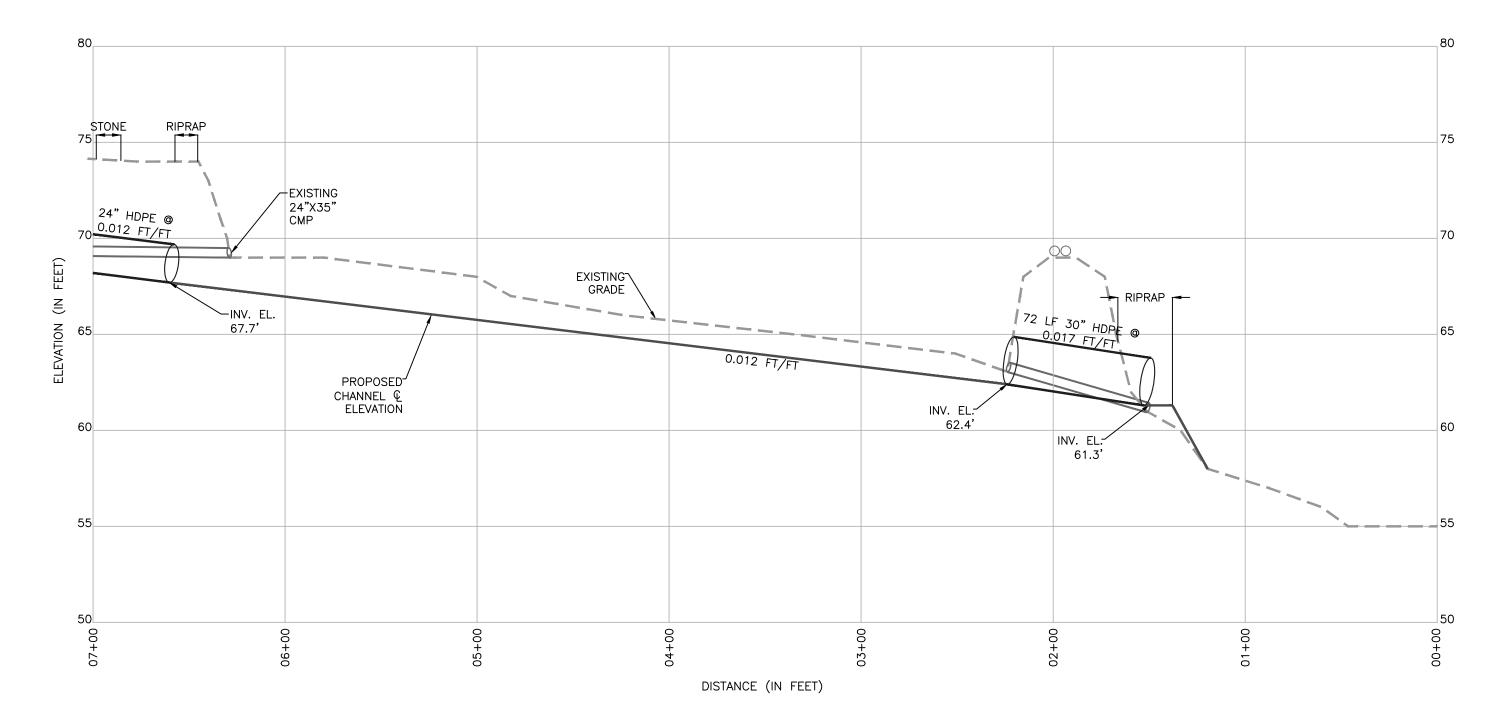
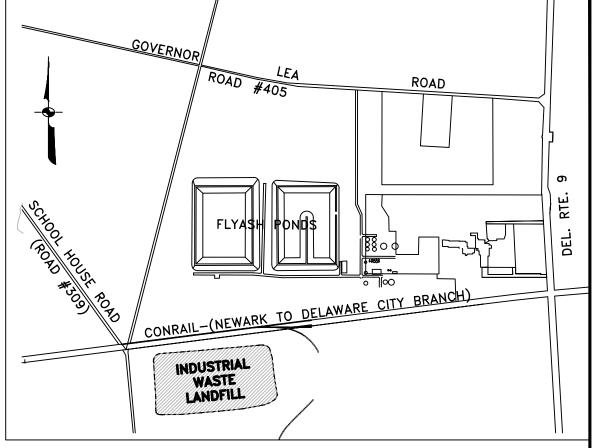


PERIMETER CHANNEL PLAN VIEW - EAST SIDE SCALE: 1"=50'



PERIMETER CHANNEL PROFILE - EAST SIDE SCALE: HORIZ 1"=50' VERT 1"=5'



VICINITY MAP

NOT TO SCALE

<u>LEGEND</u> EXISTING SPOT ELEVATION EXISTING EDGE OF TREES EXISTING FENCE --- --- EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR EXISTING PROPERTY LINE EXISTING INTERIOR PARCEL LINE EXISTING EDGE OF HEAVY FOLIAGE EXISTING ABOVE-GROUND ELECTRIC LINE ALIGNMENT EXISTING POLE SUPPORTING ELECTRIC EXISTING RAILROAD ====== Existing stormwater culvert LIMIT OF LANDFILL LINER SYSTEM (APPROX. BOUNDARY OF LANDFILL) EXISTING UNPAVED ACCESS ROAD EXISTING PERIMETER DRAINAGE CHANNEL Q/FLOW DIRECTION PROPOSED FINAL GRADE (MINOR CONTOUR) - PROPOSED FINAL GRADE (MAJOR CONTOUR)

Perimeter Channel Dimensions — East Side

	Channel	Station	Bottom Width (ft) B	Side Slope Z	Channel Depth (ft) D	Bed Slope (ft/ft)	Lining
Ī	CP-2C	02+24 - 06+60	4	2:1	2	0.012	R-4 Riprap

<u>NOTES</u>

1. INFORMATION SHOWN HEREON REGARDING EXISTING FEATURES, GROUND TOPOGRAPHY AND PROPERTY/EASEMENT LINES BASED ON A GROUND SURVEY COMPLETED IN APRIL 2005 AND UPDATED THROUGH FEBRUARY 2007 BY VANDEMARK & LYNCH, INC., 4305 MILLER RD., PO BOX 2047, WILMINGTON, DE 19899, (302) 764-7635. SURVEY CONTROLS ARE AS FOLLOWS:

HORIZONTAL DATUM: PREMCOR DELAWARE CITY PLANT
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM 1929

BENCHMARK: PLANT CONTROL MONUMENT #208 LOCATED APPROXIMATELY 70' WEST OF WEST 6TH STREET AT THE CENTERLINE OF Q STREET EXTENDED AND 43.2' SOUTH OF A CHAIN LINK FENCE. ELEVATION = 65.35'

- 2. ALL WORK SHALL BE PERFORMED AND COMPLETED TO SATISFY THE REQUIREMENTS OF THE DNREC IWL OPERATING PERMIT, DATED FEBRUARY 26, 2004.
- 3. CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED BY VALERO, MOTIVA AND DNREC TO PERFORM THE WORK PRIOR TO COMMENCEMENT OF WORK.
- 4. THE PROPOSED CHANNEL CENTERLINE ELEVATION REPRESENTS THE TOP OF LINING ELEVATION.
- 5. SIZES, MATERIALS, AND FINAL GRADES OF CHANNEL CULVERTS WILL BE FINALIZED WITH CONSTRUCTION LEVEL DRAWINGS.
- 6. SEE SHEETS C-50 THROUGH C-52 FOR CROSS-SECTIONS.

··						
REVISIONS NO. BY CHKD DATE DESCRIPTION	WARNINGS	PLANS ISSUED BY:	DATE DESIGNED BY: NBL 10/13/05	DELAWARE CITY REFINERY	JOB NO. 20240421	SCALE: AS SHOWN
	0 0.5 1.0 IF THE SEAL ON THIS PLAN IS NOT RED OR RAISED THEN THIS PLAN MAY OF PETEN IN TEPED	OK2	DRAWN BY: SMS 02/02/06 CHECKED BY: PJD 10/30/07	INDUSTRIAL WASTE LANDFILL CLOSURE	ORIGINAL DATE: L	10/30/07 REV
	PLAN MAY HAVE BEEN ALTERED IF THIS BAR DOES AND RECOPIED. ORIGINAL SEALS NOT MEASURE 1" ARE STAMPED IN RED INK OR THEN DRAWING IS EMBOSSED WITH A CRIMPING SEAL. NOT TO SCALE	335 COMMERCE DRIVE, STE 300 FORT WASHINGTON, PA 19034 TEL: (215) 367-2500 FAY: (215) 367-1000	APPROVED BY: JAC 10/30/07 CLIENT APPROVED BY:	PERIMETER CHANNEL PLAN & PROFILE EAST SIDE (SHEET 1 OF 4)	DRAWING NO.	C-40
VI SMS JAC 10/30/07 REVISED TO ADDRESS DNREC COMMENTS SMS JAC 02/02/06 SUBMITTED WITH CLOSRE PLAN FOR DNREC REVIEW	NOT TO SCALE	FAA. (213) 367-1000		· · · · · · · · · · · · · · · · · · ·		7 70